

CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION



CONDITION INSPECTION
FOR THE
GLENBROOK STATION

GENERAL RECOMMENDATION 2

**CONN. DEPT OF TRANSPORTATION
STATION INSPECTION**

INSPECTION RATING SCALE

The following rating scale is used for inspections:

- 1- Totally deteriorated, or in failed condition.
- 2- Serious deterioration, or not functioning as originally designed.
- 3- Minor deterioration, but functioning as originally designed.
- 4- New condition. No deterioration.
- 5- Not applicable.
- 6- Condition and/or existence unknown.

STATION: Glenbrook
LINE: New Canaan
INSPECTION DATE: 1/26/02
INSPECTION AGENCY / FIRM: UA
INSPECTORS: SS, RGW
WEATHER: Sunny, 40's

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 2 OF 29

PARKING ELEMENTS

QUADRANT # I

TYPE OF SURFACE: asphalt x PAVED; _____ GRAVEL; _____ DIRT;
_____ OTHER (DESCRIBE)

CONDITION OF PAVED SURFACE: 2

CONDITION OF STRIPING: 3

CONDITION OF BASIN / DRAINS / ETC: 3
(FOR LOCATION SEE SHEET: see sketch)

SIGNAGE: 2

FENCE AND GUARDRAIL: 3

LANDSCAPE: 2

SIDEWALK: 3

CURB: 2

QUADRANT # II

TYPE OF SURFACE: asphalt x PAVED; _____ GRAVEL; _____ DIRT;
_____ OTHER (DESCRIBE)

CONDITION OF PAVED SURFACE: 2

CONDITION OF STRIPING: 3

CONDITION OF BASIN / DRAINS / ETC: 3
(FOR LOCATION SEE SHEET: see sketch)

SIGNAGE: 2

FENCE AND GUARDRAIL: 3

LANDSCAPE: 2

SIDEWALK: 3

CURB : 3

STATION: Glenbrook
 LINE: New Haven-New Canaan Branch
 INSPECTION DATE : January 8, 2002
 INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
 INSPECTORS: Jim Connell & Dave Lang
 TIME OF INSPECTION: P.M.
 WEATHER: Clear & Cold

CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
 SHEET 4 OF 29

PLATFORM --- SERVICE

Voltage Rating (V)	120/240	Type of 3 phase connection		Delta	n/a	Wye	n/a
		Method of Entrance		Overhead	n/a	Underground	X
Rating of Main Breaker (A)	see remarks	Origin of Service		Pole	X	Transformer	n/a
		Code Compliant		Yes	X	No	n/a
Quantity of Phases	1	Pole Number & Street	no number parking lot	Wire Sizes	unknown		

Remarks: We were unable to gain access to the electrical service enclosure to verify the size and condition of the main circuit breaker and panelboard.

PLATFORM --- ELECTRICAL SYSTEMS

Electrical Device	Manufacturer	Model Number	Rating	Location	Estimated Age/Life(y/y)	Visual Condition
Main Distribution Panel	unknown	unknown	unknown	platform	unknown	unknown
Main Disconnect Switch	n/a	n/a	n/a	n/a	n/a	n/a
Transformer	n/a	n/a	n/a	n/a	n/a	n/a
Receptacles	unknown	unknown	3	platform	15/ 20	minor deterioration
Grounding	unknown	unknown	unknown	unknown	unknown	unknown
Lighting Controls	unknown	unknown	unknown	unknown	unknown	unknown
Public Telephone	unknown	n/a	n/a	parking lot	n/a	operational
Station Telephone	n/a	n/a	n/a	n/a	n/a	n/a

Remarks: We found one receptacle that was not properly mounted and should be replaced.

STATION: Glenbrook

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 5 OF 29

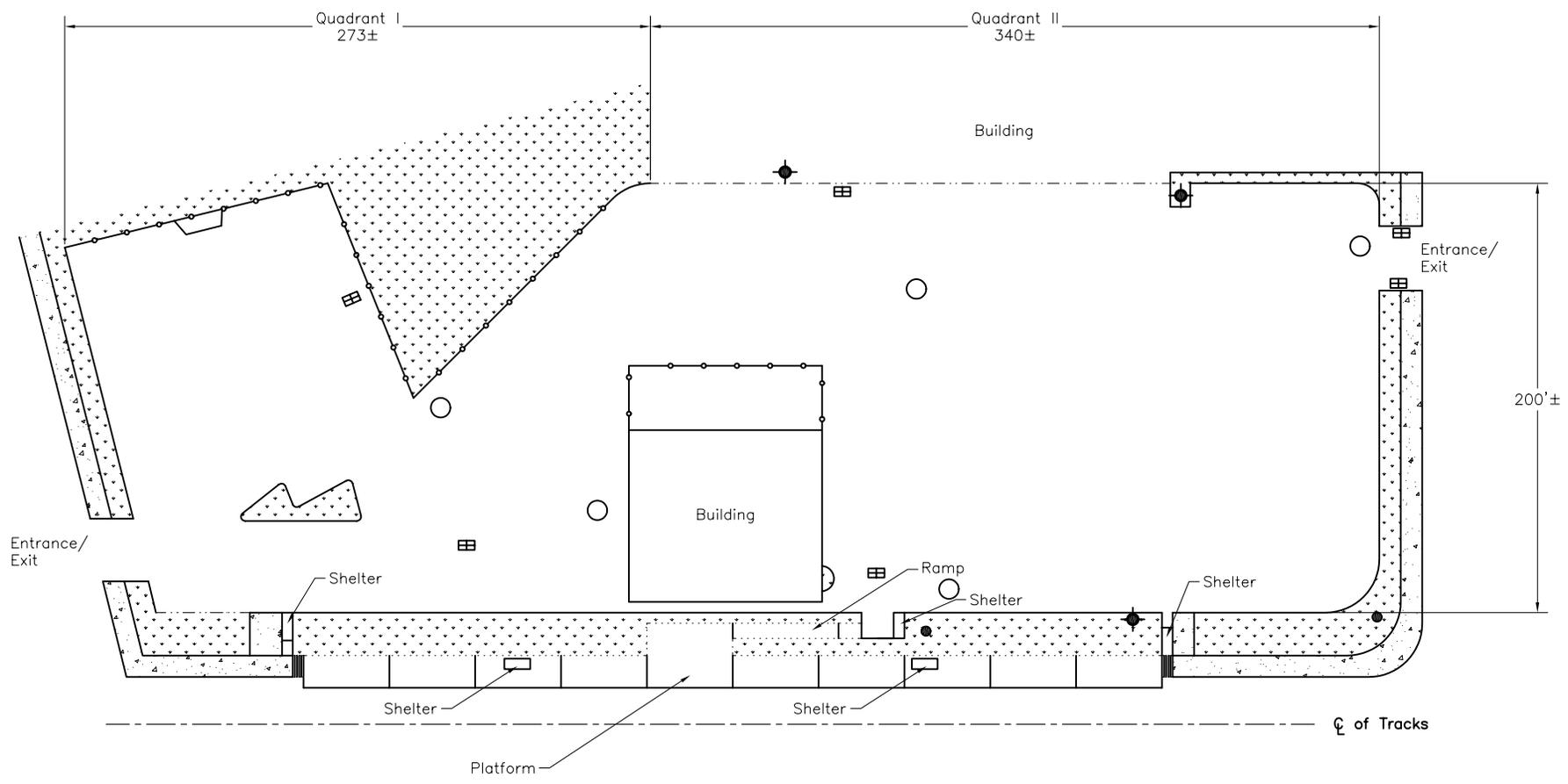
INSPECTORS: Jim Connell & Dave Lang

DATE: January 8, 2002

STATION PLATFORM --- ELECTRICAL AND LIGHTING SUMMARY

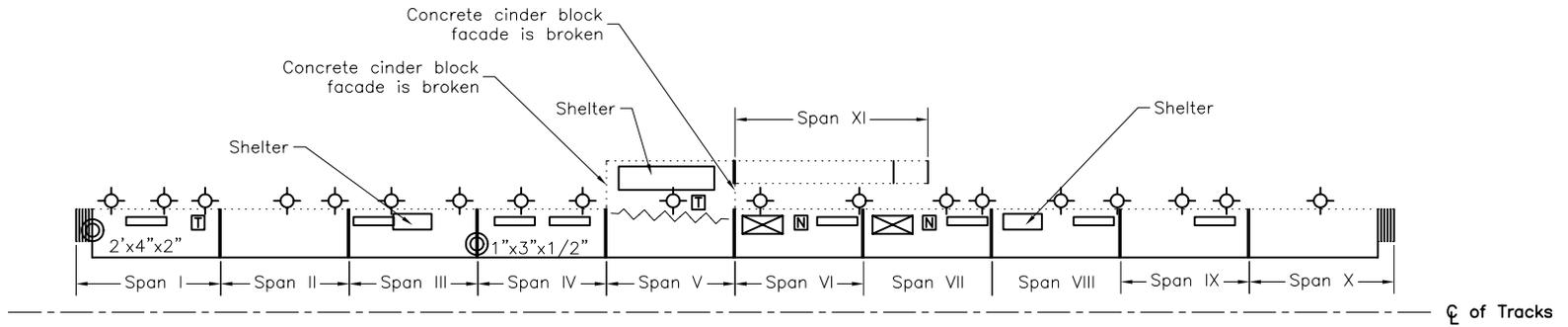
There is an electrical service pole located adjacent to the platform. This service originates at the pole then terminates in a locked pedestal type electrical cabinet located on the platform and inside a small shelter type structure. We were unable to gain access to this cabinet to verify the exact size and condition of the main panel. The window on the cabinet to view the meter is missing and should be replaced to secure the cabinet from vandalism. Otherwise, the cabinet is preserving the electrical panelboard from environmental conditions. There are several non-GFCI type receptacles attached on the platform, one of which needs to be reattached to the platform. Also, to reduce the risk of electric shock when in use, these receptacles should be replaced with GFCI type.

The platform luminaires are pole mounted metal halide averaging 7.23 foot-candles and exceeding minimal light levels recommended by IESNA. We recommend that a few of the luminaires lenses be replaced because of moisture and insects present inside the lenses. The moisture and insects present in the lens indicates that the gasket is no longer sealing the fixture and results in reduced light output and possible future fixture failure.



- Legend:
- Fence
 - Guard Railing
 - Pedestrian Railing
 - Map Cracks
 - Grass
 - Sidewalk
 - Sanitary Manhole
 - Drain
 - Electric Pole
 - Light

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Glenbrook Station General Plan
Date: 2-28-02



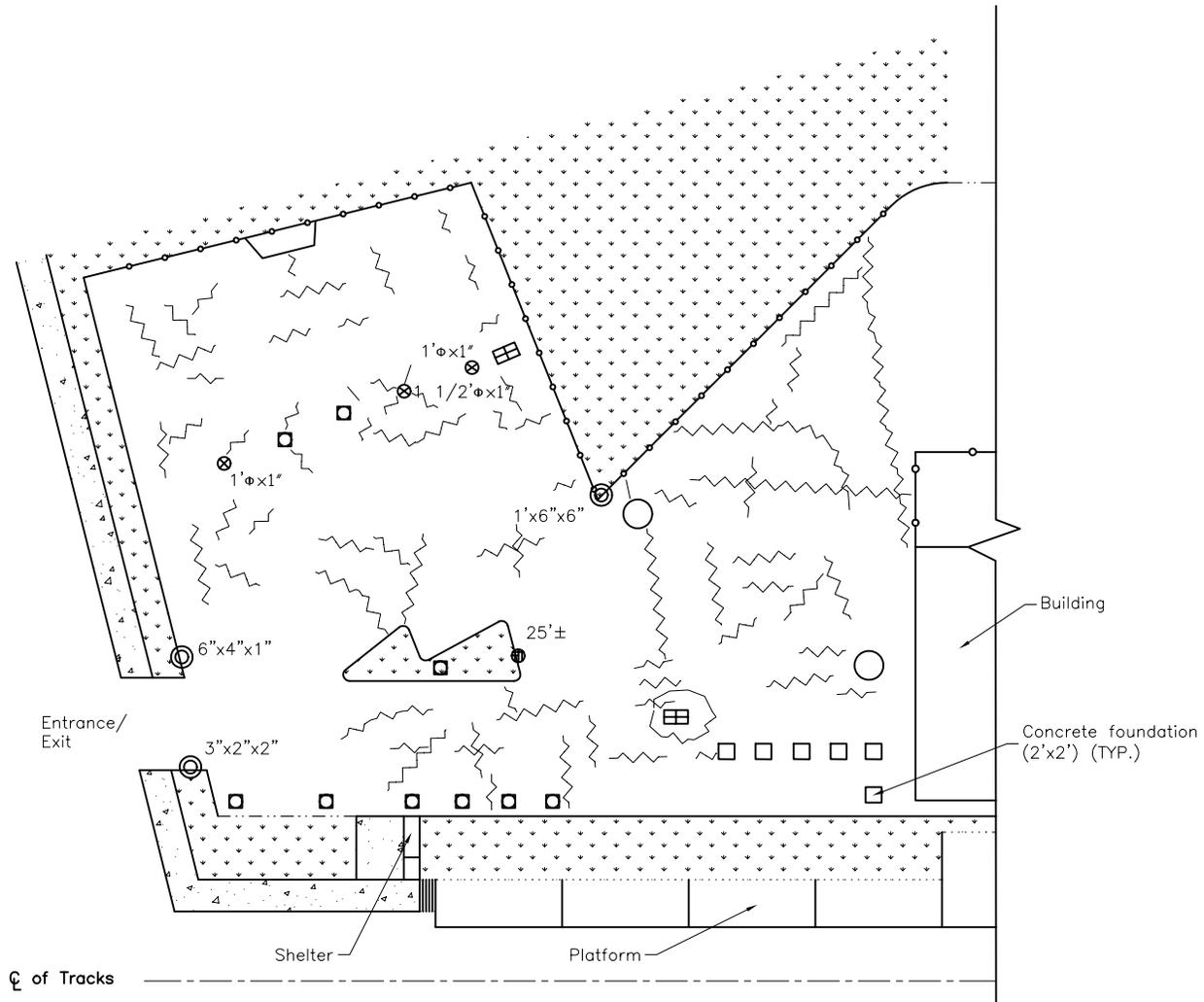
Legend:

- Pedestrian Railing
- ~~~~~ Cracks
- ⊙ Spalled area
- ==== Joint
- ▭ Sign
- ⊠ Bench
- ☒ Trash Bin
- ☒ Newspaper Dispenser
- ⊙ Light

NOTES:

1. Typically the top of the concrete footings are spalled (upto 1'x3"x6") and the base plates are rusted and deteriorated.
2. The railing base plates are rusted and deteriorated.
3. The railing is bent in numerous areas.

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Glenbrook Station Platform Plan
Date: 2/28/02



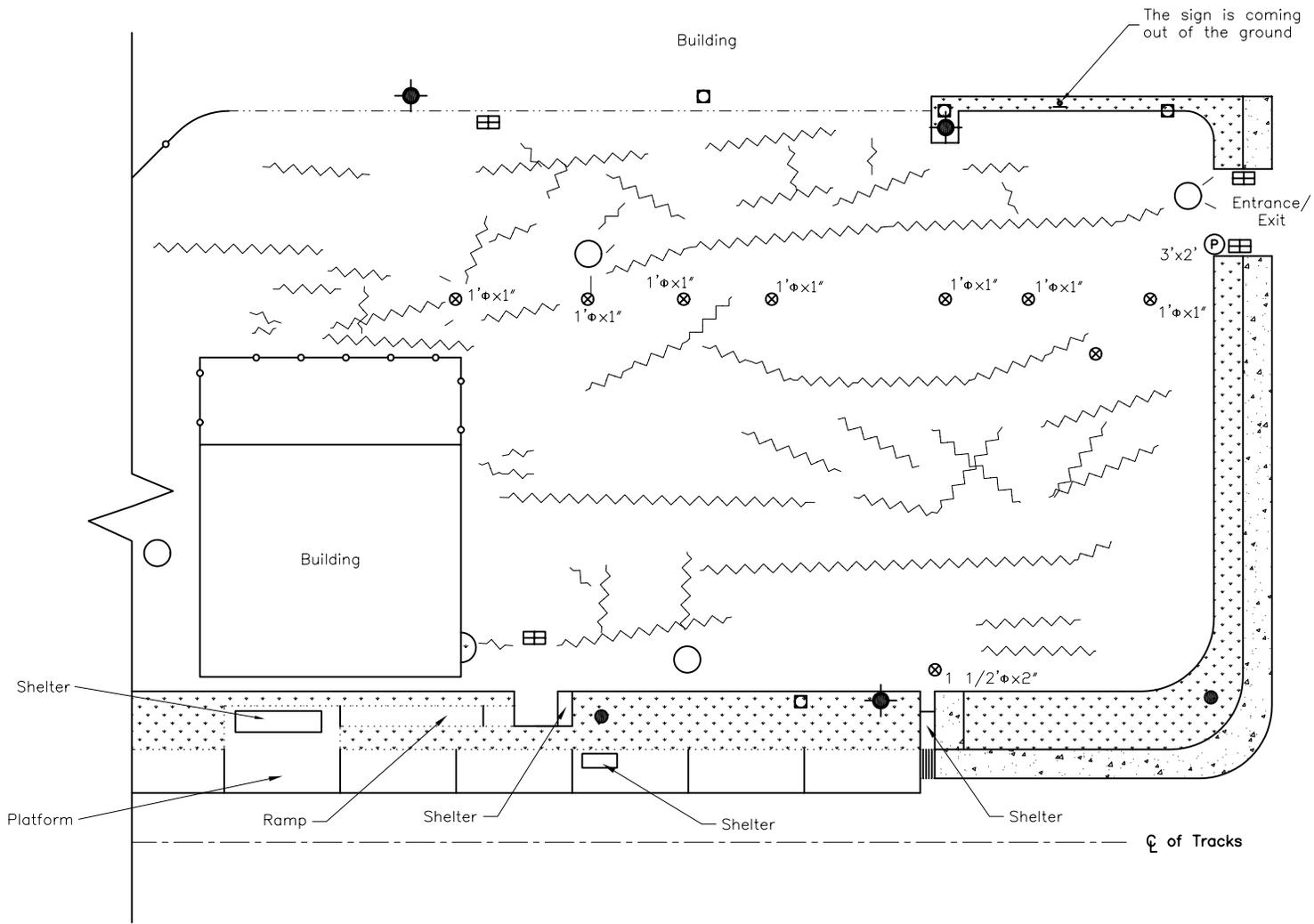
Legend:

- Fence
- Guard Railing
- Pedestrian Railing
- Cracks
- Map Cracks
- Grass
- Sidewalk
- Sanitary Manhole
- Drain
- Spalled Area
- Pothole
- Missing and Spalled Curb
- Pole with missing sign

NOTES:

1. 50% of the asphalt pavement is cracked.

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Glenbrook Station Quadrant I Plan
Date: 2-28-02



Legend:

- Fence
- Guard Railing
- Pedestrian Railing
- Cracks
- Grass
- Sidewalk
- Sanitary Manhole
- Drain
- Ponding
- Pothole
- Electric Pole
- Pole with Missing Sign
- Light
- Sign

NOTES:

1. 25% of the asphalt surface is cracked.

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Glenbrook Station Quadrant II Plan
Date: 2/28/02

STATION: Glenbrook

CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
 SHEET 11 OF 29

INSPECTORS: SS, RGW

DATE: 1/26/02

RATINGS		PHOTO NO.	REMARKS:
NEW	PREV		
2		10	Span I-XI 2 -The railing base plates are rusted and deteriorated.
3		11	Span I-XI 1 - The railing is bent in numerous locations
3		12	Span V 5 - There is a crack (40')
3		13	Span I & III 5 - There are isolated areas of spalled concrete on the top of the platform
2		14	Span I-X 17 - The concrete footing is spalled
2		15	Span I-X 17 -The base plates below the double tee are rusted and deteriorated
2		16-17	Span V Misc - The cinder block façade is damaged
2		18	Quad I & II Surface - There are numerous cracks in the surface
2		19-20	Quad I Signage -The sign post are leaning and/or missing the sign
2		24	Quad I Surface - There are abandoned concrete footings that are uneven with the asphalt surface (1"±)
2		21	Quad I,II Landscape - There is an accumulation of leaves in the parking area
2		22	Quad I Curb -The asphalt curb is missing or spalled
2		23	Quad I Curb -The concrete curb is spalled
2		25	Quad II Surface - There are numerous potholes (1'x1'x1") adjacent to abandoned poles.
2		26	Quad II Surface - Ponding of water was noted
2		28	Quad II Signage - The signs are missing and/or leaning.
2		27	Quad II Signage - One of the signs is coming out of the ground

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 12 OF 29

PHOTO NO. 1

Location: East side of Quad I

Description: General view of Quad I

Reference: Looking west



PHOTO NO. 2

Location: Northwest corner of Quad I

Description: General view of Quad I

Reference: Looking south



STATION: Glenbrook
INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 13 OF 29

PHOTO NO. 3

Location: _____
Southwest corner of
Quad I

Description: _____
General view of Quad I

Reference: _____
Looking east



PHOTO NO. 4

Location: _____
East side of Quad I

Description: _____
General view of Quad II

Reference: _____
Looking east



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 14 OF 29

PHOTO NO. 5

Location: East side of Quad II

Description: General view of Quad II

Reference: Looking west



PHOTO NO. 6

Location: South side of Quad II

Description: General view of Quad II

Reference: Looking north



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 15 OF 29

PHOTO NO. 7

Location: North side of Quad II

Description: General view of Quad II

Reference: Looking South



PHOTO NO. 8

Location: Middle of Span VIII

Description: General view of the platform

Reference: Looking west



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 16 OF 29

PHOTO NO. 9

Location: Middle of Span VII

Description: General view of the platform

Reference: Looking east

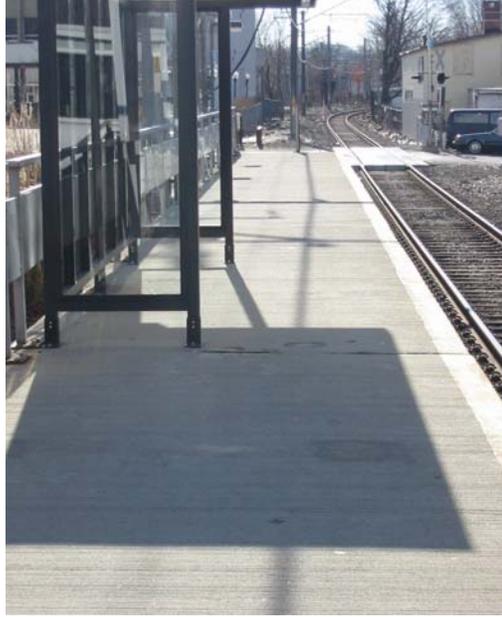


PHOTO NO. 10

Location: Between Span IV and V

Description: The railing base plates are rusted and deteriorated

Reference: Looking down and north



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 17 OF 29

PHOTO NO. 11

Location: _____
West end of Span II

Description: _____
Typical bent railing

Reference: _____
Looking east



PHOTO NO. 12

Location: _____
Span V

Description: _____
Crack (40')

Reference: _____
Looking east



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 18 OF 29

PHOTO NO. 13

Location: Between the stairs and the platform in Span I

Description: Spalled concrete
2'x4"x2"

Reference: Looking north



PHOTO NO. 14

Location: North of the west end of the platform

Description: Spalled concrete footing
(1'x3'x6");

Reference: Looking Southeast



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 19 OF 29

PHOTO NO. 15

Location: _____
North of the platform
between Span II and III

Description: _____
The base plate is rusted
and deteriorated.

Reference: _____
Looking south



PHOTO NO. 16

Location: _____
West of span V

Description: _____
Damaged cinder block
façade (2'x2')

Reference: _____
Looking east



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 20 OF 29

PHOTO NO. 17

Location: _____
East of Span V

Description: _____
Damaged cinder block
façade (2'x1')

Reference: _____
looking west



PHOTO NO. 18

Location: _____
East side of Quad I

Description: _____
Typical cracks in the
asphalt pavement

Reference: _____
Looking north



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 21 OF 29

PHOTO NO. 19

Location: Middle of Quad I

Description: Typical pole with missing sign

Reference: Looking north



PHOTO NO. 20

Location: Southwest corner of Quad I

Description: The poles are leaning and or missing their sign

Reference: Looking east



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 22 OF 29

PHOTO NO. 21

Location: _____
North side of Quad I

Description: _____
Typical accumulation
of leaves in the parking
area

Reference: _____
Looking north



PHOTO NO. 22

Location: _____
Middle of Quad I

Description: _____
Missing asphalt curb

Reference: _____
Looking west



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 23 OF 29

PHOTO NO. 23

Location: West entrance

Description: Spalled concrete curb
(6"x4"x1")

Reference: _____



PHOTO NO. 24

Location: Southeast corner of
Quad I

Description: Abandoned concrete
footing that is uneven
with the asphalt
pavement (1"±)

Reference: _____
Looking east



STATION: Glenbrook
INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 24 OF 29

PHOTO NO. 25

Location: Middle of Quad II

Description: Pothole (1'x1'x1")
with corner cracks
adjacent to the
abandoned pole

Reference: Looking north



PHOTO NO. 26

Location: East side of Quad II

Description: Ponding of water (3'x2')

Reference: Looking southeast



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 25 OF 29

PHOTO NO. 27

Location: Northside of Quad II

Description: Upheaving sign

Reference: Looking west



PHOTO NO. 28

Location: Northeast corner of Quad II

Description: Leaning sign posts

Reference: Looking west



STATION: Glenbrook

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 26 OF 29

PHOTO NO. 29

Location:
parking lot

Description:
electric service
pole

Reference:
Platform Service
Section



PHOTO NO. 30

Location:
platform

Description:
platform lighting
and speakers

Reference:
Platform Lighting
Section



STATION: Glenbrook
INSPECTORS: Jim Connell & Dave Lang

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 27 OF 29

PHOTO NO. 31

Location:
platform

Description:
platform shelter
lighting

Reference:
Platform Lighting
Section



PHOTO NO. 32

Location:
platform

Description:
a receptacle
that needs to
be reattached to
the platform

Reference:
Platform Electrical
System Section



STATION: Glenbrook
INSPECTORS: Jim Connell & Dave Lang

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 28 OF 29

PHOTO NO. 33

Location:
GLENBROOK
STATION

Description:
Name of
station, slightly
obstructed

Reference:
Mechanical



PHOTO NO. 34

Location:
GLENBROOK
STATION

Description:
Platform shelter
with plastic, round,
curbed roof, no drainage
system.

Reference:
Mechanical



STATION: GLENBROOK
INSPECTORS: J. Duncan & T. Abrahamson

Glenbrook Station

Description	Units	Quantity	Price / Unit	Total Cost
Replace asphalt curb				
-Removal of curb	yd ³	12.00	\$80.00	\$960.00
-Replacing curb	ft	27.00	\$22.00	\$594.00
Replacing asphalt pavement				
-Removal of asphalt	yd ³	4876.00	\$22.00	\$107,272.00
-6" top course and binder course	yd ²	13625.00	\$25.00	\$340,625.00
-7" aggregate base	yd ³	2650.00	\$20.00	\$53,000.00
Repair spalled concrete	ft ²	15.00	\$40.00	\$600.00
Repair meter cabinet	EACH	1.00	\$200.00	\$200.00
Repair/replace platform receptacles	EACH	4.00	\$50.00	\$200.00
Repair the light fixture lenses	EACH	6.00	\$200.00	\$1,200.00
Reattach conduit in various locations	LS	-	-	\$5,000.00
Miscellaneous (signs, cinder block, and etc.)	LS	-	-	\$5,000.00
Mobilization / Demobilization (10%)				\$51,465.10
Sub-total				\$566,116.10
Contingency (20%)				\$113,223.22
Grand Total				\$679,339.32
Say				\$680,000.00